	Application No.	Applicant(s)
Notice of Allowability	10/764,412	TREMBLAY ET AL.
	Examiner	Art Unit
	Hetul Patel	2186
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communications. This application is subjection in the subjection in the subjection is subjection.	s application. If not included ation will be mailed in due course. THIS
1. This communication is responsive to <u>23 January 2004</u> .		
2. The allowed claim(s) is/are <u>1-28</u> .		
Acknowledgment is made of a claim for foreign priority ur a) □ All b) □ Some* c) □ None of the: 1. □ Certified copies of the priority documents have 2. □ Certified copies of the priority documents have	e been received. e been received in Application No	D
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subminformal patent APPLICATION (PTO-152) which give	MENT of this application. itted. Note the attached EXAMIN	NER'S AMENDMENT or NOTICE OF
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 CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 		TO-948) attached
1) hereto or 2) to Paper No./Mail Date	- · · · · · · · · · · · · · · · · · · ·	10-340) attached
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date		ne Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT		
Attachment(s)	E	al Datast Application (DTO 450)
 Notice of References Cited (PTO-892) Dotice of Draftperson's Patent Drawing Review (PTO-948) 	5. ☐ Notice of Inform 6. ☐ Interview Summ	al Patent Application (PTO-152) pary (PTO-413),
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail	Date
Paper No./Mail Date	_	
of Biological Material		ement of Reasons for Allowance
	9.	

Application/Control Number: 10/764,412 Page 2

Art Unit: 2186

DETAILED ACTION

1. This Office Action is in response to the application filed on 01/23/2004. Claims 1-28 are presented for examination.

Priority

2. Applicant's claim for the benefit of a prior-filed application under 35 U.S.C. 119(e) or under 35 U.S.C. 120, 121, or 365(c) is acknowledged.

Allowable Subject Matter

- 3. Claims 1-28 are allowed.
- 4. The following is an examiner's statement of reasons for allowance:

The prior arts of record do not teach nor suggest, either alone or in combination, <u>all</u> the limitations of the independent claims 1, 8, 15 and 22; particularly a method and an apparatus for selectively unmarking load-marked cache lines during transactional execution, comprising: changes made during the transactional execution are not committed to the architectural state of a processor until the transactional execution completes without encountering an interfering data access from another thread,

 when a release instruction during transactional execution of a block of instructions within a program is encountered as disclosed in claims 1 and 8; when a commit-and-start-new-transaction instruction during transactional execution of a block of instructions within a program is encountered as disclosed in claims 15 and 22.

Furthermore, the prior arts of record failed to teach or suggest, either alone or in combination that in response to the release instruction or the commit-and-start-new-transaction instruction, modifying the state of cache lines, which are specially load-marked to indicate they can be released from monitoring, to account for the release instruction being encountered; wherein modifying the specially load-marked cache lines can cause the specially load-marked cache lines to become unmarked. Therefore, independent claims 1, 8, 15 and 22 are allowable.

Claims 2-7, 9-14, 16-21 and 23-28 further limit the allowable independent claims.

These claims are therefore allowable for the same reason as set forth supra.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hetul Patel whose telephone number is 571-272-4184. The examiner can normally be reached on M-F 8-4:30.

Application/Control Number: 10/764,412 Page 4

Art Unit: 2186

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matt Kim can be reached on 571-272-4182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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MATTHEW KIM
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100